STIC Scientific and Technical Information Center

Search Report
EIC 3600

STIC Database Tracking Number: 318017

To: Examiner Stefanos Karmis	From: Matthew Hogan
Location: KNX4A35	Location: EIC3600
Art Unit: 3693	KNX 2D08-B
Date: 11/05/2009	Phone: (571) 272-6674
Case Serial Number: 09/767842	Matthew.Hogan@uspto.gov

Search Notes

Dear Examiner KARMIS:

Please find attached the results of your search for the above-referenced related case. The search was conducted in Dialog, in EBSCOhost (mandatory I & PC Abstract databases) and in ProQuest (Financial Times database), as well as online. All mandatory databases for allowance were searched.

I have listed *potential* references of interest in the opening section of these search results. *However, please be sure to review the entire report*. There may be additional references that you find useful.

Please note that the results, after the potential references of interest, proceed through an Inventor search (which is provided without regard to priority date and in GREEN TEXT) and then to results in both Abstract and Full Text databases (which are more directly screened for priority date).

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

I. Potential References of Interest

** EIC-Searcher identified "potential references of interest" are selected based on the terms/concepts provided in the examiner's search request.*

Dialog eLink: Order File History
8/3K/5 (Item 5 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
(c) 2009 European Patent Office. All rights reserved.

00212974

System for accounting for postage expended by a postage meter having data security during printing.
System zur Verbuchung der Postgebuhren, die durch eine mit Datensicherstellung wahrend des Druckvorganges versehenen Frankiermaschine verbraucht werden.
Systeme pour comptabiliser la taxe postale depensee par une machine a affranchir munie de moyens de protection des donnees pendant l'impression.

Patent Assignee:

- **PITNEY BOWES INC.**; (244950)
  One Elmcroft; Stamford Connecticut 06926-0790; (US)
  (applicant designated states: CH;DE;FR;GB;LI)

Inventor:

- **Mallozzi, Joseph D.**
  112 Teeter Rock Street; Trumbull, Conn. 06611; (US)
- **Hutcheson, Neale C.**
  205 Park Street; New Canaan, Conn. 06840; (US)
- **Breault, Michelle S.**
  199 Osborne Hill Road; Fairfield, Conn. 06430; (US)
- **Daniels, Edward P.**
  350 Stonehouse Road; Trumbull, Conn. 06611; (US)

Legal Representative:

- **Hansen, Bernd, Dr.rer.nat. et al (4922)**
  Hoffmann, Eitle & Partner Patentanwalte Arabellastrasse 4 Postfach 81 04 20; W-8000 Munchen 81; (DE)

	Country	Number	Kind	Date	
Patent	EP	230658	A2	19870805	(Basic)
	EP	230658	A3	19871216	
	EP	230658	B1	19910828	

Application	EP	86118032		19861224	
Priorities	US	813458		19851226	

Designated States:
CH; DE; FR; GB; LI;

International Patent Class (V7): G07B-017/02; ; **Abstract Word Count:** 270

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1288
CLAIMS B	(German)	EPBBF1	1216
CLAIMS B	(French)	EPBBF1	1449
SPEC B	(English)	EPBBF1	5846
Total Word Count (Document A) 0			
Total Word Count (Document B) 9799			
Total Word Count (All Documents) 9799			

Specification: ...16-4 and used to specify numeric values such as account number, postage value, class, account, etc.

"." -used as a delimiter between dollars and cents.

"-" -**Hyphen**/minus, used as a **hyphen** within an **account number** and as a **minus sign** when editing account data.

RESET - Reset, used to exit the current function and return to the initial state.

CE/C- Clear Entry, used to clear...

12/3,K/4 (Item 2 from file: 275)
DIALOG(R)File 275: Gale Group Computer DB(TM)
(c) 2009 Gale/Cengage. All rights reserved.

01379643 **Supplier Number:** 09549631 **(Use Format 7 Or 9 For** FULL TEXT)
"I threw away my checkbook." (CheckFree's electronic bill-paying service) (includes related articles on the Accuret reconciliation service and guidelines for electronic bill-paying)

Shipley, Chris
PC-Computing , v3 , n11 , p112(7)
Nov , 1990

ISSN: 0899-1847
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 3608 **Line Count:** 00275
...name. When the merchant couldn't figure out which account to credit, it returned the check to me.

While CheckFree should be able to handle **account numbers** up to 22 **characters** long, in this case it was apparently thrown off by the spacing between sets of digits. Removing the spaces solved the problem. Even though merchants print spaces or **dashes** between digits in **account numbers**, you don't need to include them in the **account numbers** you enter. For example, 999-000-0099 becomes 9990000099.

Aside from those glitches, CheckFree has worked wonderfully. Merchants get their money on the day I...

14/3K/21 (Item 21 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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00769406

INTEGRATED BUSINESS-TO-BUSINESS WEB COMMERCE AND BUSINESS AUTOMATION SYSTEM
SYSTEME INTEGRE D'AUTOMATISATION DES ECHANGES COMMERCIAUX ENTRE ENTREPRISES PAR L'INTERNET

Patent Applicant/Inventor:

- **WONG Charles**
  14250 Miranda Road, Los Altos Hills, CA 94022; US; US(Residence); US(Nationality)

Legal Representative:

- **COVERSTONE Thomas E(agent)**
  Burns, Doane, Swecker & Mathis, LLP, P.O. Box 1404, Alexandria, VA 22313-1404; US;

	Country	Number	Kind	Date
Patent	WO	200102927	A2-A3	20010111
Application	WO	2000US16739		20000616
Priorities	US	99334688		19990617

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,

MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;
Language Publication Language: English
Filing Language: English
Fulltext word count: 51133

Claims:

...various graphing options are provided. In the illustrated example, the data is presented in the form of line graphs. Trend reports, aside from comparing one **account** to another over the **identical** period, may also **compare** the same account over different periods. Hence, in the case of both financial reports and trend analyses, an important feature is that the date range...assignment. Resulting data is supplied to at least three destinations: a Measuring Algorithm, a Historical Data Comparison Algorithm, and an output display structure, indicated
by **dashed** lines. The Measuring Algorithm compares actual performance todesired performance established by goals. Preferably, goals are set by employees in consultation with management. In an...system is typically interactive, via the web, but may also be through the exchange of data files,113such as ASCII files, as indicated in **dashed** lines in various places within Figure 165. Depending on the nature of the underlying business, the database may store an electronic catalog, created and maintained...

8/3K/3 (Item 3 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
(c) 2009 European Patent Office. All rights reserved.
00655907

System and method for processing telephone numbers.
System und Verfahren zum Verarbeiten von Telephonnummern.
Systeme et methode pour le traitement des numeros de telephone.

Patent Assignee:

- **MICROSOFT CORPORATION**; (749861)
  One Microsoft Way; Redmond, Washington 98052-6399; (US)
  (applicant designated states: DE;FR;GB)

Inventor:

- **Nixon, Toby L.**
  13920 120th Avenue Northeast; Kirkland, Washington 98034; (US)
- **Menezes, Arul A.**
  13930 Northeast 13th Street No.6-2; Bellevue, Washington 98005; (US)

Legal Representative:

- **Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner (100721)**
  Maximilianstrasse 58; D-80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	631418	A1	19941228	(Basic)
Application	EP	94109756		19940623	
Priorities	US	170999		19930624	
	US	148057		19931105	

Designated States:
DE; FR; GB;

International Patent Class (V7): H04M-003/00; ; **Abstract Word Count:** 167

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	4520
SPEC A	(English)	EPABF2	10095
Total Word Count (Document A) 14615			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 14615			

Specification: ...The expansion analyzer 54 uses this information to determine that the first digit segment, contained within the parentheses, is an area code, and that the **hyphen** divides the **subscriber number** into the exchange prefix and the individual telephone number. Any digits that precede the digit segment contained with the parentheses (i.e., the area code...

6/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2009 Thomson Reuters. All rights reserved.
0009767995 *Drawing available*
WPI Acc no: 2000-055248/200005
Related WPI Acc No: 2000-025566
XRPX Acc No: N2000-043196
Calling party number display system for telephones receiving international calls
Patent Assignee: SIEMENS INFORMATION & COMMUNICATIONS NET (SIEI)
Inventor: KUCMEROWSKI D L; MULLER H; VANDER MEIDEN D A

Patent Family (1 patents, 25 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 961463	A2	19991201	EP 1999109024	A	19990507	200005	B

Priority Applications (no., kind, date): US 199885365 A 19980526

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 961463	A2	EN	11	6	
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				

Original Publication Data by AuthorityArgentina**Publication No.** ...**Original Abstracts:**party telephone network (20).The parsing of the calling party numbers (410) into fields introduces field separator characters between the fields including delimiters such as **dashes**, spaces, parenthetical, graphical **characters** and the like to separate destination codes from **subscriber numbers** according to **international**, **country**, national or regional fields, such as the North American Numbering Plan.

8/5,K/16 (Item 9 from file: 2)
DIALOG(R)File 2: INSPEC
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06296769
Title: Automatic region labeling of the layered map
Author(s): Min-Ki Kim; Mun-Kyu Park; Oh-Sung Kwon; Young-Bin Kwon

Author Affiliation: Chung-Ang Univ., Seoul, South Korea
Book Title: Graphics Recognition, Methods and Applications. First International Workshop. Selected Papers
Inclusive Page Numbers: 179-89
Publisher: Springer Verlag, Berlin
Country of Publication: Germany
Publication Date: 1996
Conference Title: Proceedings of Workshop on Graphics Recognition
Conference Date: 10-11 Aug. 1995
Conference Location: University Park, PA, USA
Editor(s): Kasturi, R.; Tombre, K.
ISBN: 3 540 61226 2
Number of Pages: x+308
Language: English
Document Type: Conference Paper (PA)
Treatment: Application (A); Practical (P)
Abstract: In this paper, we describe an automatic region labeling method, which identifies each region and recognizes region names. Before tracing the region boundaries, it extracts the region names which consist of characters, dots, **dashes**, and indication lines. It uses two **recognition** methods to **recognize characters** in the region name. In the case of **recognizing** the isolated **characters**, it uses the open and close features. The **characters** touching boundaries are **recognized** by template matching. After removing the components of region names from a map image, the boundaries of each region are extracted. After which it then vectorizes the region boundaries. From these recognition results, the original map can be constructed. It reduces the storage to one fifth of the original data. The proposed method shows 95% accuracy of region labeling (*8 refs.*)
Subfile(s): B (Electrical & Electronic Engineering); C (Computing & Control Engineering)
Descriptors: geographic information systems; pattern recognition
Identifiers: automatic region labeling method; region boundaries; dashes; indication lines; isolated characters; template matching
Classification Codes: B6140C (Optical information, image and video signal processing); C7840 (Geography and cartography computing); C1250 (Pattern recognition)
INSPEC Update Issue: 1996-024
Copyright: 1996, IEE
Abstract: ...labeling method, which identifies each region and recognizes region names. Before tracing the region boundaries, it extracts the region names which consist of characters, dots, **dashes**, and indication lines. It uses two **recognition** methods to **recognize characters** in the region name. In the case of **recognizing** the isolated **characters**, it uses the open and close features. The **characters** touching boundaries are **recognized** by template matching. After removing the components of region names from a map image, the boundaries of each region are extracted. After which it then

II. Inventor Search

A. Dialog

File 347:JAPIO Dec 1976-2009/Jul(Updated 091030)
(c) 2009 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-200945
(c) 2009 European Patent Office
File 349:PCT FULLTEXT 1979-2009/UB=20091029|UT=20091022
(c) 2009 WIPO/Thomson
File 350:Derwent WPIX 1963-2009/UD=200970
(c) 2009 Thomson Reuters

```
Set     Items   Description
S1      62296   AU=(WAIDA, T? OR EGUCHI, S? OR KANAMOTO, K? OR YABUKI, M? OR CHIBA,
K? OR KOBARA, K? OR YAMAMOTO, K? OR KATSUMATA, Y? OR WAIDA T? OR EGUCHI  S? OR
KANAMOTO K? OR  YABUKI M? OR CHIBA K? OR KOBARA K? OR YAMAMOTO K? OR KATSUMATA Y?)

S2          2   S1 AND HYPHEN?
```

2/3K/2 (Item 1 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
(c) 2009 European Patent Office. All rights reserved.

01974020

Method and program for linking different applications through data displayed on screen
Verfahren und Programm zur Verknupfung von Anwendungen durch am Bildschirm dargestellte Daten
Procede et logiciel pour connecter des logiciels d'application a travers des donnees presentees sur un ecran

Patent Assignee:

- **FUJITSU LIMITED**; (211463)
  1-1, Kamikodanaka 4-chome, Nakahara-ku; Kawasaki-shi,Kanagawa 211-8588; (JP)
  (Applicant designated States: all)

- **Fujitsu Frontech Limited**; (4350050)
  1776, Yanokuchi; Inagi-shi,Tokyo 206-8555; (JP)
  (Applicant designated States: all)

Inventor:

- **Maeta, Takayuki**
  Fujitsu Frontech Limited1776, Yanokuchi; Inagi-shiTokyo 206-8555; (JP)
- **Katsumata, Yutaka**
  Fujitsu Frontech Limited1776, Yanokuchi; Inagi-shiTokyo 206-8555; (JP)
- **Eguchi, Shinichi**
  Fujitsu Frontech Limited1776, Yanokuchi; Inagi-shiTokyo 206-8555; (JP)
- **...JP)**
  ; ;
- **Katsumata, Yutaka...**
  ; ;

Legal Representative:

- **HOFFMANN EITLE (101511)**
  Patent- und Rechtsanwalte Arabellastrasse 4; 81925 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1591894	A2	20051102	(Basic)
	EP	1591894	A3	20070822	
Application	EP	2004022712		20040923	
Priorities	JP	2004101435		20040330	

Designated States:
AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IT; LI; LU; MC;
NL; PL; PT; RO; SE; SI; SK; TR;

Extended Designated States:
AL; HR; LT; LV; MK;

International Patent Class (V7): G06F-009/46

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0009/46	A	I	F	B	20060101	20050914	H	EP

Abstract Word Count: 150
NOTE: 1
NOTE: Figure number on first page: 1

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(English)	200544	1007
SPEC A	(English)	200544	6664
Total Word Count (Document A) 7672			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 7672			

Specification: ...window Wr. At this time, since the CIF number of "042-631682" does not match the input specifications of the seal checking program 60, the **hyphen** (symbol -) of the CIF number retrieved from the window Wr is deleted into 9-digit numeral of "042631682". The above-mentioned client name, the converted...shown in FIG. 5. Then, in step 138, the data conversion method of the item is specified. For example, as shown in FIG. 8, "removing '-' (**hyphen**)" for a CIF number, "refer to a table for replacement of a value" for a check result, and "yyyy/mm/dd to be replaced with...

File 485:Accounting & Tax DB 1971-2009/Oct W4
(c) 2009 ProQuest Info&Learning
File 625:American Banker Publications 1981-2008/Jun 26
(c) 2008 American Banker
File 268:Banking Info Source 1981-2009/Oct W4
(c) 2009 ProQuest Info&Learning
File 626:Bond Buyer Full Text 1981-2008/Jul 07
(c) 2008 Bond Buyer
File 267:Finance & Banking Newsletters 2008/Sep 29
(c) 2008 Dialog
File 15:ABI/Inform(R) 1971-2009/Nov 04
(c) 2009 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2009/Nov 04
(c) 2009 Gale/Cengage
File 610:Business Wire 1999-2009/Nov 05
(c) 2009 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2009/Oct 06
(c) 2009 Gale/Cengage
File 624:McGraw-Hill Publications 1985-2009/Nov 05
(c) 2009 McGraw-Hill Co. Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2009/Sep 28
(c) 2009 Gale/Cengage

File 636:Gale Group Newsletter DB(TM) 1987-2009/Oct 12
(c) 2009 Gale/Cengage
File 613:PR Newswire 1999-2009/Nov 05
(c) 2009 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 16:Gale Group PROMT(R) 1990-2009/Oct 12
(c) 2009 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 634:San Jose Mercury Jun 1985-2009/Oct 28
(c) 2009 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2009/Oct 19
(c) 2009 Gale/Cengage
File 20:Dialog Global Reporter 1997-2009/Nov 05
(c) 2009 Dialog
File 35:Dissertation Abs Online 1861-2009/Sep
(c) 2009 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage
File 65:Inside Conferences 1993-2009/Nov 05
(c) 2009 BLDSC all rts. reserv.
File 2:INSPEC 1898-2009/Oct W4
(c) 2009 The IET
File 474:New York Times Abs 1969-2009/Nov 05
(c) 2009 The New York Times
File 475:Wall Street Journal Abs 1973-2009/Nov 05
(c) 2009 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Oct
(c) 2009 The HW Wilson Co.
File 256:TecTrends 1982-2009/Nov W1
(c) 2009 Info.Sources Inc. All rights res.
File 139:EconLit 1969-2009/Oct
(c) 2009 American Economic Association
File 169:Insurance Periodicals 1984-1999/Nov 15
(c) 1999 NILS Publishing Co.

```
Set     Items   Description
S1       8647   AU=(WAIDA, T? OR EGUCHI, S? OR KANAMOTO, K? OR YABUKI, M? OR CHIBA,
K? OR KOBARA, K? OR YAMAMOTO, K? OR KATSUMATA, Y? OR WAIDA T? OR EGUCHI  S? OR
KANAMOTO K? OR  YABUKI M? OR CHIBA K? OR KOBARA K? OR YAMAMOTO K? OR KATSUMATA Y?)

S2          0   S1 AND HYPHEN?
```

III. Text Search Results from Dialog (Full Text dbs)

A. Full-Text Databases – PATENT

File 349:PCT FULLTEXT 1979-2009/UB=20091029|UT=20091022
(c) 2009 WIPO/Thomson
File 348:EUROPEAN PATENTS 1978-200945
(c) 2009 European Patent Office

```
      S1    85906    (CHARACTER? OR LETTER? ? OR NUMBERS OR NUMERIC? OR
ALPHANUMERIC? OR TEXT OR FORM? ? OR HYPHEN? OR DASH?? OR PUNCTUATION?)(3N)(RECOGNI?
OR SEARCH? OR LOOK?()FOR OR IDENTIFY? OR DISCRIMINA? OR DISCERN?) OR OCR?


      S2       8826   HYPHEN? OR DASH?? OR HORIZONTAL(2W)(MARK?  OR CONNECTOR? ? OR
JOINER? ? OR SEPARATOR? ? OR PUNCTUAT? OR SYMBOL? ? OR DELIMIT?) OR MINUS()SIGN? ?
OR NUMBER()(SEPARATOR? OR BREAK OR DELIMIT?)


      S3      21911   (ACCOUNT? ? OR INVOICE? ? OR CUSTOMER? ? OR SERVICE? ? OR
PAYEE? OR PAYMENT? OR RECEIPT? OR CLIENT? ? OR CUSTOMER? ? OR TRANSACTION? OR
SUBSCRIBER? OR MEMBER?)(4X)(NUMBER? OR IDENTI? OR TAG OR TAGS OR TAG? OR CHARACTERS
OR DESCRIPTION? OR LABEL? OR INDEX? OR FORM? ? OR PRINTOUT? OR SHEET OR RECEIPT? OR
TYPE? OR CATEGOR? OR DISCRIMINAT? OR DESIGNATION? )


      S4      21776   MATCH? OR CORRESPOND? OR LINK? OR CONNECT? OR RELATED OR
SAME()AS OR COMPAR? OR IDENTICAL OR DISCRIMINAT?  OR PICK?()OUT


      S5         36   S2(12N)S3
      S6         14   S5 NOT AY>2000
      S7         14   IDPAT (sorted in duplicate/non-duplicate order)
      S8         14   IDPAT (primary/non-duplicate records only)
      S9       2152   S3(4X)S4
      S10        49   S9(3S)S2
      S11        40   S10 NOT S5
      S12        25   S11 NOT AY>2000
      S13        25   IDPAT (sorted in duplicate/non-duplicate order)
      S14        24   IDPAT (primary/non-duplicate records only)
```

14/3K/21 (Item 21 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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00769406

INTEGRATED BUSINESS-TO-BUSINESS WEB COMMERCE AND BUSINESS AUTOMATION SYSTEM
SYSTEME INTEGRE D'AUTOMATISATION DES ECHANGES COMMERCIAUX ENTRE ENTREPRISES PAR L'INTERNET

Patent Applicant/Inventor:

- **WONG Charles**
  14250 Miranda Road, Los Altos Hills, CA 94022; US; US(Residence); US(Nationality)

Legal Representative:

- **COVERSTONE Thomas E(agent)**
  Burns, Doane, Swecker & Mathis, LLP, P.O. Box 1404, Alexandria, VA 22313-1404; US;

	Country	Number	Kind	Date
Patent	WO	200102927	A2-A3	20010111
Application	WO	2000US16739		20000616
Priorities	US	99334688		19990617

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;
Language Publication Language: English

Filing Language: English
Fulltext word count: 51133

Claims:

...various graphing options are provided. In the illustrated example, the data is presented in the form of line graphs. Trend reports, aside from comparing one **account** to another over the **identical** period, may also **compare** the same account over different periods. Hence, in the case of both financial reports and trend analyses, an important feature is that the date range...assignment. Resulting data is supplied to at least three destinations: a Measuring Algorithm, a Historical Data Comparison Algorithm, and an output display structure, indicated
by **dashed** lines. The Measuring Algorithm compares actual performance todesired performance established by goals. Preferably, goals are set by employees in consultation with management. In an...system is typically interactive, via the web, but may also be through the exchange of data files,113such as ASCII files, as indicated in **dashed** lines in various places within Figure 165. Depending on the nature of the underlying business, the database may store an electronic catalog, created and maintained...

Dialog eLink: Order File History
14/3K/5 (Item 5 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
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00742494

Method and apparatus for identifying words described in a page description language file
Verfahren und Vorrichtung zur Identifizierung von Wortern, die in einer Datei in einer Seitenbeschreibungssprache kodiert sind
Procede et dispositif pour l'identification de mots decrits dans un langage de description de page

Patent Assignee:

- **ADOBE SYSTEMS INC.**; (1120810)
  1585 Charleston Road; Mountain View California 94039-7900; (US)
  (applicant designated states: DE;FR;GB;IT;NL;SE)

Inventor:

- **Ayers, Robert M.**
  679 Waverley Street; Palo Alto, California 94301; (US)

Legal Representative:

- **Wombwell, Francis et al (46021)**
  Potts, Kerr & Co. 15, Hamilton Square; Birkenhead Merseyside L41 6BR; (GB)

	Country	Number	Kind	Date	
Patent	EP	701223	A2	19960313	(Basic)
	EP	701223	A3	19970528	
Application	EP	95305330		19950731	
Priorities	US	304762		19940912	

Designated States:
DE; FR; GB; IT; NL; SE;

International Patent Class (V7): G06K-009/20; ; **Abstract Word Count:** 197

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(English)	EPAB96	1307
SPEC A		(English)	EPAB96	10733
Total Word Count (Document A) 12040				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 12040				

Specification: ...e., if the current word is a portion of a larger word that is continued on the next line, as in the case when a **hyphen** occurs at the end of the word fragment. The process of determining if the word is a word fragment is detailed with respect to Figure... ...above.

Alternatively, in step 80, the identified word can be compared to a search word sent to the process of Figure 4a-4b by the **client**. If the **identified** word **matches** the search word, the identified word can be stored in a matched word list. Approximate matches, such as matching a search word to an identified ...

Dialog eLink: Order File History
14/3K/3 (Item 3 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
(c) 2009 European Patent Office. All rights reserved.

01014239

SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR PATENT-CENTRIC AND GROUP-ORIENTED DATA PROCESSING
SYSTEM, VERFAHREN UND PROGRAMPRODUKT ZUR GRUPPENORGANISIERTEN DATENVERARBEITUNG VON PATENTEN
SYSTEME, PROCEDE, ET PRODUIT DE PROGRAMMES INFORMATIQUES POUR LE TRAITEMENT DE DONNEES AXES SUR DES BREVETS D'INVENTION

Patent Assignee:

- **Rose Blush Software LLC**; (5579220)
  171 Main Street Nber 271; Los Altos, CA 94022; (US)
  (Proprietor designated states: all)

Inventor:

- **RIVETTE, Kevin, G.**
  2165 Waverley Street; Palo Alto, CA 94303; (US)
- **RAPPAPORT, Irving, S.**
  1500 Edgewood Drive; Palo Alto, CA 94303; (US)
- **HOHMANN, Luke**
  306 Windmill Park Lane; Mountain View, CA 94043; (US)
- **PUGLIA, David**
  17429 East Vineland Avenue; Los Gatos, CA 95030; (US)
- **GORETSKY, David**
  272 Waverly Street; Sunnyvale, CA 94086; (US)
- **JACKSON, Adam**
  1063 Morse Avenue 7-107; Sunnyvale, CA 94089; (US)
- **RABB, Charles, Jr.**
  730 E. Evelyn 638; Sunnyvale, CA 94086; (US)
- **SMITH, David, W.**
  3 Morning Sun Court; Mountain View, CA 94043; (US)
- **PARK, Brian**
  4029 Park Boulevard; Palo Alto, CA 94306; (US)
- **THORNTHWAITE, Warren**
  147 Hedge Road; Menlo Park, CA 94025; (US)
- **NAVARRETE, Jorge, A.**
  160 Hedge Road; Menlo Park, CA 94025; (US)

Legal Representative:

- **Brinck, David John Borchardt et al (9255631)**
  R.G.C. Jenkins & Co 26 Caxton Street; London SW1H 0RJ; (GB)

	Country	Number	Kind	Date	
Patent	EP	986789	A1	20000322	(Basic)
	EP	986789	B1	20020918	
	EP	986789	B2	20090121	
	WO	1998055945		19981210	
Application	EP	98930054		19980602	
	WO	98US10923		19980602	
Priorities	US	867392		19970602	
	US	921369		19970829	

Designated States:
AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LI; LU; MC; NL; PT; SE;

Related Divisions: Patent (Application):EP 1184798 (EP 2001124936)

International Patent Class (V7): G06F-017/30

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0017/30	A	I	F	B	20060101	19990225	H	EP

NOTE: No A-document published by EPO

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS B	(English)	200904	117
CLAIMS B	(German)	200904	95
CLAIMS B	(French)	200904	148
SPEC B	(English)	200904	73852
Total Word Count (Document A) 0			
Total Word Count (Document B) 74212			
Total Word Count (All Documents) 74212			

Specification: ...of the present invention; FIG. 114 is a architecture block diagram of the network client (and in some embodiments the web **client**); FIG. 115 is used to describe a generic group import function ofthe present invention; FIG. 116 is...for purposes of illustration, and not limitation. As mentioned

above, the document databases 612 store electronic representations of documents that are of interest to the **customer**. Accordingly, the **types** of document databases 612 and the contents of the document databases 612 are, by definition, customer and implementation specific. Document Bibliographic Databases

The document bibliographic...by five digits. Assume that the information in the patent text file 4604 was as follows: PP-11111 (for illustrative purposes, spaces are indicated as **dashes**). This patent number is not in the proper format because five digits do not immediately follow the PP token. Instead, there is a space between... ...format of a class/subclass in the patent text file 4604 is as follows: XCL---17-34-2 (for illustrative purposes, spaces are indicated as **dashes**). Therefore, in the patent text file 4604, a class/subclass is denoted by the token XCL, followed by two spaces. Three characters follow this token...

?

8/3K/3 (Item 3 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
(c) 2009 European Patent Office. All rights reserved.
00655907

System and method for processing telephone numbers.
System und Verfahren zum Verarbeiten von Telephonnummern.
Systeme et methode pour le traitement des numeros de telephone.

Patent Assignee:

- **MICROSOFT CORPORATION**; (749861)
  One Microsoft Way; Redmond, Washington 98052-6399; (US)
  (applicant designated states: DE;FR;GB)

Inventor:

- **Nixon, Toby L.**
  13920 120th Avenue Northeast; Kirkland, Washington 98034; (US)
- **Menezes, Arul A.**
  13930 Northeast 13th Street No.6-2; Bellevue, Washington 98005; (US)

Legal Representative:

- **Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner (100721)**
  Maximilianstrasse 58; D-80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	631418	A1	19941228	(Basic)
Application	EP	94109756		19940623	
Priorities	US	170999		19930624	
	US	148057		19931105	

Designated States:
DE; FR; GB;

International Patent Class (V7): H04M-003/00; ; **Abstract Word Count:** 167

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(English)	EPABF2	4520
SPEC A		(English)	EPABF2	10095
Total Word Count (Document A) 14615				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 14615				

Specification: ...The expansion analyzer 54 uses this information to determine that the first digit segment, contained within the parentheses, is an area code, and that the **hyphen** divides the **subscriber number** into the exchange prefix and the individual telephone number. Any digits that precede the digit segment contained with the parentheses (i.e., the area code...

Dialog eLink: Order File History
8/3K/5 (Item 5 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
(c) 2009 European Patent Office. All rights reserved.

00212974

System for accounting for postage expended by a postage meter having data security during printing.
System zur Verbuchung der Postgebuhren, die durch eine mit Datensicherstellung wahrend des Druckvorganges versehenen Frankiermaschine verbraucht werden.

Systeme pour comptabiliser la taxe postale depensee par une machine a affranchir munie de moyens de protection des donnees pendant l'impression.

Patent Assignee:

- **PITNEY BOWES INC.**; (244950)
  One Elmcroft; Stamford Connecticut 06926-0790; (US)
  (applicant designated states: CH;DE;FR;GB;LI)

Inventor:

- **Mallozzi, Joseph D.**
  112 Teeter Rock Street; Trumbull, Conn. 06611; (US)
- **Hutcheson, Neale C.**
  205 Park Street; New Canaan, Conn. 06840; (US)
- **Breault, Michelle S.**
  199 Osborne Hill Road; Fairfield, Conn. 06430; (US)
- **Daniels, Edward P.**
  350 Stonehouse Road; Trumbull, Conn. 06611; (US)

Legal Representative:

- **Hansen, Bernd, Dr.rer.nat. et al (4922)**
  Hoffmann, Eitle & Partner Patentanwalte Arabellastrasse 4 Postfach 81 04 20; W-8000 Munchen 81; (DE)

	Country	Number	Kind	Date	
Patent	EP	230658	A2	19870805	(Basic)
	EP	230658	A3	19871216	
	EP	230658	B1	19910828	
Application	EP	86118032		19861224	
Priorities	US	813458		19851226	

Designated States:
CH; DE; FR; GB; LI;

International Patent Class (V7): G07B-017/02; ; **Abstract Word Count:** 270

Legal Status Type	Pub. Date	Kind	Text

Language Publication: English
Procedural: English
Application: English

Fulltext Availability	Available Text	Language	Update	Word Count

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1288
CLAIMS B	(German)	EPBBF1	1216
CLAIMS B	(French)	EPBBF1	1449
SPEC B	(English)	EPBBF1	5846
Total Word Count (Document A) 0			
Total Word Count (Document B) 9799			
Total Word Count (All Documents) 9799			

Specification: ...16-4 and used to specify numeric values such as account number, postage value, class, account, etc.

"." -used as a delimiter between dollars and cents.

"-" -**Hyphen**/minus, used as a **hyphen** within an **account number** and as a **minus sign** when editing account data.

RESET - Reset, used to exit the current function and return to the initial state.

CE/C- Clear Entry, used to clear...

Dialog eLink: Order File History
8/3K/11 (Item 11 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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00444834

BIOMETRIC CHECK VERIFICATION SYSTEM
SYSTEME BIOMETRIQUE DE VERIFICATION DE CHEQUES

Patent Applicant/Patent Assignee:

- **MR PAYROLL CORPORATION**

Inventor(s):

- **STINSON Michael C**
- **TEMPLER John W Jr**
- **CLOWER Dyron**

	Country	Number	Kind	Date
Patent	WO	9835298	A1	19980813
Application	WO	98US2017		19980206
Priorities	US	9736923		19970206
	US	97854321		19970512

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,
CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,
GB, GE, GH, GM, GW, HU, ID, IL, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW,
GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE,
CH, DE, DK, ES, FI, FR, GB, GR, IE, IT,
LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, ML, MR, NE, SN, TD, TG

Language Publication Language: English

Filing Language:

Fulltext word count: 12912

Detailed Description:

...a cash
dispensing module 330 to dispense an appropriate amount
of cash to the customer through the cash dispenser 135.

The processor 300 provides the **customer** with a **receipt**
through the printer 140. As indicated by the **dashed**
lines in Fig. 3 and illustrated in Fig. 3A, the touch
screen 105, the keypad 110, deposit processing module
315, the check reader 130, the...

?

B. Full-Text Databases – NON-PATENT

File 485:Accounting & Tax DB 1971-2009/Nov W1
(c) 2009 ProQuest Info&Learning
File 625:American Banker Publications 1981-2008/Jun 26
(c) 2008 American Banker
File 268:Banking Info Source 1981-2009/Nov W1
(c) 2009 ProQuest Info&Learning
File 626:Bond Buyer Full Text 1981-2008/Jul 07
(c) 2008 Bond Buyer
File 267:Finance & Banking Newsletters 2008/Sep 29
(c) 2008 Dialog
File 15:ABI/Inform(R) 1971-2009/Nov 05
(c) 2009 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2009/Nov 05
(c) 2009 Gale/Cengage
File 610:Business Wire 1999-2009/Nov 06
(c) 2009 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2009/Oct 07
(c) 2009 Gale/Cengage
File 624:McGraw-Hill Publications 1985-2009/Nov 05
(c) 2009 McGraw-Hill Co. Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2009/Sep 29
(c) 2009 Gale/Cengage
File 636:Gale Group Newsletter DB(TM) 1987-2009/Oct 13
(c) 2009 Gale/Cengage
File 613:PR Newswire 1999-2009/Nov 06
(c) 2009 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 16:Gale Group PROMT(R) 1990-2009/Oct 13
(c) 2009 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 634:San Jose Mercury Jun 1985-2009/Oct 28
(c) 2009 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2009/Oct 20
(c) 2009 Gale/Cengage
File 20:Dialog Global Reporter 1997-2009/Nov 06
(c) 2009 Dialog

Set Items Description

```
S1     304781   (CHARACTER? OR LETTER? ? OR NUMBERS OR NUMERIC? OR ALPHANUMERIC? OR
TEXT  OR FORM? ? OR HYPHEN? OR DASH?? OR PUNCTUATION?)(3N)(RECOGNI? OR SEARCH? OR
LOOK?()FOR OR IDENTIFY? OR DISCRIMINA? OR DISCERN?) OR OCR?

S2       4376   HYPHEN? OR DASH?? OR HORIZONTAL(2W)(MARK?  OR CONNECTOR? ? OR
JOINER? ? OR SEPARATOR? ? OR PUNCTUAT? OR SYMBOL? ? OR DELIMIT?) OR MINUS()SIGN? ?
OR NUMBER()(SEPARATOR? OR BREAK OR DELIMIT?)

S3      24790   (ACCOUNT? ? OR INVOICE? ? OR CUSTOMER? ? OR SERVICE? ? OR PAYEE? OR
 PAYMENT? OR RECEIPT? OR CLIENT? ? OR CUSTOMER? ? OR TRANSACTION? OR SUBSCRIBER? OR
 MEMBER?)(4X)(NUMBER? OR IDENTI? OR TAG OR TAGS OR TAG? OR CHARACTERS OR
DESCRIPTION? OR  LABEL? OR INDEX? OR FORM? ? OR PRINTOUT? OR SHEET OR RECEIPT? OR
TYPE? OR CATEGOR? OR DISCRIMINAT? OR DESIGNATION? )

S4      19093   MATCH? OR CORRESPOND? OR LINK? OR CONNECT? OR RELATED OR SAME()AS
OR COMPAR? OR IDENTICAL OR DISCRIMINAT?  OR PICK?()OUT

S5         21   S2(S)S3
S6         16   S5 NOT PY>2000
S7          9   RD  (unique items)
S8       3106   S4(12N)S3
S9          5   S8(S)S2
S10         5   S9 NOT S5
S11         1   S10 NOT PY>2000
S12        10   S11 OR S7
```

12/3,K/4 (Item 2 from file: 275)
DIALOG(R)File 275: Gale Group Computer DB(TM)
(c) 2009 Gale/Cengage. All rights reserved.

01379643 **Supplier Number:** 09549631 **(Use Format 7 Or 9 For** FULL TEXT)
"I threw away my checkbook." (CheckFree's electronic bill-paying service) (includes related articles on the Accuret reconciliation service and guidelines for electronic bill-paying)

Shipley, Chris
PC-Computing , v3 , n11 , p112(7)
Nov , 1990
ISSN: 0899-1847
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 3608 **Line Count:** 00275

...name. When the merchant couldn't figure out which account to credit, it returned the check to me.

While CheckFree should be able to handle **account numbers** up to 22 **characters** long, in this case it was apparently thrown off by the spacing between sets of digits. Removing the spaces solved the problem. Even though merchants print spaces or **dashes** between digits in **account numbers**, you don't need to include them in the **account numbers** you enter. For example, 999-000-0099 becomes 9990000099.

Aside from those glitches, CheckFree has worked wonderfully. Merchants get their money on the day I...

12/3,K/1 (Item 1 from file: 485)
DIALOG(R)File 485: Accounting & Tax DB
(c) 2009 ProQuest Info&Learning. All rights reserved.

**** FULL-TEXT AVAILABLE IN FORMATS 7 AND 9 ****
00615198
Accounting for practitioners takes the spreadsheet approach

Giovetti, Alfred C
Accounting Technology v13 n3 pp: 55-57 Apr 1997
ISSN: 0883-1866 **Journal Code:** CIA
Word Count: 2006 **Line Count:** 182 Accounting & Tax DB_1971-2009/Nov W1
Supplier Number: Text:
...531,440 account numbers, with one additional number reserved for the out of balance condition. That should be plenty for most simple applications.

To add **account numbers** to the template, you simply add a line to the chart of accounts shown in the trial balance. Conversely, you can remove **account numbers** by removing a line from the COA. When printing, AFP doesn't give you an option to not print accounts without balances, but it does allow you to print these accounts with **dashes** instead of zeros.

Mounties to the rescue

The 115-page user's manual is relatively short for a write-up package, and it has no...

12/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15: ABI/Inform(R)
(c) 2009 ProQuest Info&Learning. All rights reserved.

01084169 97-33563
Finding case studies online

Ojala, Marydee
Online v19n5 pp: 32-36
Sep/Oct 1995
ISSN: 0146-5422 **Journal Code:** ONL
Word Count: 3039
Text:
...for "client" and one for "server," just as if you had searched client, hit **number** of records with "server" in

them--anywhere in them. If you are searching DataStar, substitute **hyphens** for any type of punctuation, including slashes, in the descriptor term. For this example, the search is cLient-server-architecture. In Dow Jones, use the...

IV. Text Search Results from Dialog (Abstract dbs)

A. Abstract Databases -- Patent

File 347:JAPIO Dec 1976-2009/Jul(Updated 091030)
(c) 2009 JPO & JAPIO
File 350:Derwent WPIX 1963-2009/UD=200970
(c) 2009 Thomson Reuters

```
Set     Items   Description
S1     105952   (CHARACTER? OR LETTER? ? OR NUMBERS OR NUMERIC? OR ALPHANUMERIC? OR
TEXT  OR FORM? ? OR HYPHEN? OR DASH?? OR PUNCTUATION?)(3N)(RECOGNI? OR SEARCH? OR
LOOK?()FOR OR IDENTIFY? OR DISCRIMINA? OR DISCERN?) OR OCR?

S2        119   S HYPHEN? OR DASH?? OR HORIZONTAL(2W)(MARK?  OR CONNECTOR? ? OR
JOINER? ? OR SEPARATOR? ? OR PUNCTUAT? OR SYMBOL? ?) OR MINUS()SIGN? ? OR
NUMBER()(SEPARATOR? OR BREAK)

S3       3107   (ACCOUNT? ? OR INVOICE? ? OR CUSTOMER? ? OR SERVICE? ? OR PAYEE? OR
 PAYMENT? OR RECEIPT? OR CLIENT? ? OR CUSTOMER? ? OR TRANSACTION? OR SUBSCRIBER? OR
 MEMBER?)(4X)(NUMBER? OR IDENTI? OR TAG OR TAGS OR TAG? OR CHARACTERS OR
DESCRIPTION? OR  LABEL? OR INDEX? OR FORM? ? OR PRINTOUT? OR SHEET OR RECEIPT? OR
TYPE? OR CATEGOR? OR  DISCRIMINAT? OR DESIGNATION? )

S4       2281   MATCH? OR CORRESPOND? OR LINK? OR CONNECT? OR RELATED OR SAME()AS
OR  COMPAR? OR IDENTICAL OR DISCRIMINAT?  OR PICK?()OUT

S5          5   S2 AND S3
S6          2   S5 NOT AY>2000
```

6/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2009 Thomson Reuters. All rights reserved.
0009767995 *Drawing available*
WPI Acc no: 2000-055248/200005
Related WPI Acc No: 2000-025566
XRPX Acc No: N2000-043196
Calling party number display system for telephones receiving international calls
Patent Assignee: SIEMENS INFORMATION & COMMUNICATIONS NET (SIEI)
Inventor: KUCMEROWSKI D L; MULLER H; VANDER MEIDEN D A

Patent Number	Kind	Date	Family Member(s)	Application Number	Kind	Date	Update	Type

EP 961463	A2	19991201	EP 1999109024	A	19990507	200005	B

Priority Applications (no., kind, date): US 199885365 A 19980526

Patent Details					
Patent Number	**Kind**	**Lan**	**Pgs**	**Draw**	**Filing Notes**
EP 961463	A2	EN	11	6	
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				

Original Publication Data by AuthorityArgentina**Publication No.** ...**Original Abstracts:**party telephone network (20).The parsing of the calling party numbers (410) into fields introduces field separator characters between the fields including delimiters such as **dashes**, spaces, parenthetical, graphical **characters** and the like to separate destination codes from **subscriber numbers** according to **international**, **country**, national or regional fields, such as the North American Numbering Plan.

Dialog eLink: Order File History
6/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2009 Thomson Reuters. All rights reserved.

0009739761 *Drawing available*
WPI Acc no: 2000-025566/200003
Related WPI Acc No: 2000-055248
XRPX Acc No: N2000-019208
Partitioning of display for calling party numbers during information communication
Patent Assignee: SIEMENS COMMUNICATIONS INC (SIEI); SIEMENS INFORMATION & COMMUNICATIONS NET (SIEI)
Inventor: FANDMEIDON D A; KOUCKMEROFSKI D L; KUCMEROWSKI D L; MULLER H; VANDER MEIDEN D A

Patent Family (8 patents, 27 countries)							
CN 1156133	C	20040630	CN 98120490	A	19991216	200612	E
Patent Number	**Kind**	**Date**	**Application Number**	**Kind**	**Date**	**Update**	**Type**
EP 961464	A2	19991201	EP 1999109025	A	19990507	200003	B
DE 69918899	A2	20040923	DE 69918899	A	19990507	200463	E
CN 1261752	A	20000802	CN 1999102495	A	19990305	200058	E
US 6205213	B1	20010320	US 199885365	A	19980526	200118	E
			US 1998216627	A	19981216		
EP 961464	B1	20051130	EP 1999109025	A	19990507	200579	E

Priority Applications (no., kind, date): US 199885365 A 19980526; US 1998216627 A 19981216; EP 1999109025 A 19990507

Patent Details						
Patent Number	**Kind**	**Lan**	**Pgs**	**Draw**	**Filing Notes**	
EP 961464	A2	EN	14	9		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
US 6205213	B1	EN			C-I-P of application	US 199885365
					C-I-P of patent	US 5991383
EP 961464	B1	EN				
Regional Designated States,Original	DE FR GB IT					
DE 69928599	E	DE			Application	EP 1999109025
					Based on OPI patent	EP 961464
DE 69928599	T2	DE			Application	EP 1999109025
					Based on OPI patent	EP 961464

Original Publication Data by AuthorityArgentina**Publication No.** ...**Original Abstracts:**the calling party telephone network.The parsing of the calling party numbers into fields introduces field separator characters between the fields including delimiters such as **dashes**, spaces, parenthetical, graphical **characters** and the like to separate destination codes from **subscriber numbers**. In addition, **the delineation** information can be displayed, for example, in a second display line... ... the calling party telephone network. The parsing of the calling party numbers into fields introduces field separator characters between the fields including delimiters such as **dashes**, spaces, parenthetical, graphical characters and the like to **separate** destination codes from **subscriber numbers** according to international, country, national or regional **fields**, **such** as the North American Numbering Plan... ... the calling party telephone network. The parsing of the calling party numbers into fields introduces field separator characters between the fields including delimiters such as **dashes**, spaces, parenthetical, graphical characters and the like to separate **destination** codes from **subscriber numbers**. In addition, the delineation information can be displayed, **for example**, in a second display line.

?

B. Abstract Databases – NON-PATENT

File 35:Dissertation Abs Online 1861-2009/Sep
(c) 2009 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage
File 65:Inside Conferences 1993-2009/Nov 05
(c) 2009 BLDSC all rts. reserv.
File 2:INSPEC 1898-2009/Oct W4
(c) 2009 The IET
File 474:New York Times Abs 1969-2009/Nov 05
(c) 2009 The New York Times
File 475:Wall Street Journal Abs 1973-2009/Nov 05
(c) 2009 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Oct
(c) 2009 The HW Wilson Co.
File 256:TecTrends 1982-2009/Nov W1
(c) 2009 Info.Sources Inc. All rights res.
File 139:EconLit 1969-2009/Oct
(c) 2009 American Economic Association
File 169:Insurance Periodicals 1984-1999/Nov 15
(c) 1999 NILS Publishing Co.

```
Set     Items   Description
S1      54310   (CHARACTER? OR LETTER? ? OR NUMBERS OR NUMERIC? OR ALPHANUMERIC? OR
TEXT OR FORM? ? OR HYPHEN? OR DASH?? OR PUNCTUATION?)(3N)(RECOGNI? OR SEARCH? OR
LOOK?()FOR OR IDENTIFY? OR DISCRIMINA? OR DISCERN?) OR OCR?

S2         93   HYPHEN? OR DASH?? OR HORIZONTAL(2W)(MARK?  OR CONNECTOR? ? OR
JOINER? ? OR SEPARATOR? ? OR PUNCTUAT? OR SYMBOL? ? OR DELIMIT?) OR MINUS()SIGN? ?
OR NUMBER()(SEPARATOR? OR BREAK OR DELIMIT?)

S3        394   (ACCOUNT? ? OR INVOICE? ? OR CUSTOMER? ? OR SERVICE? ? OR PAYEE? OR
PAYMENT? OR RECEIPT? OR CLIENT? ? OR CUSTOMER? ? OR TRANSACTION? OR SUBSCRIBER? OR
MEMBER?)(4X)(NUMBER? OR IDENTI? OR TAG OR TAGS OR TAG? OR CHARACTERS OR DESCRIPTION?
OR LABEL? OR INDEX? OR FORM? ? OR PRINTOUT? OR SHEET OR RECEIPT? OR TYPE? OR
CATEGOR? OR DISCRIMINAT? OR DESIGNATION? )

S4        196   MATCH? OR CORRESPOND? OR LINK? OR CONNECT? OR RELATED OR SAME()AS OR
COMPAR? OR IDENTICAL OR DISCRIMINAT?  OR PICK?()OUT

S5         66   S2 NOT PY>2000
S6          0   S5(S)S3
S7         51   S5(S)S1
S8         49   RD  (unique items)
S9          0   S8(S)S4
```

8/5,K/8 (Item 1 from file: 2)
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07919145
Title: Testing a word analysis system for reliable and sense-conveying hyphenation and other applications
Author(s): Schonhacker, M.; Kodydek, G.
Author Affiliation: Inst. of Comput. Graphics, Vienna Univ. of Technol., Austria
Book Title: Text, Speech and Dialogue. Third International Workshop, TSD 2000. Proceedings (Lecture Notes in Artificial Intelligence Vol.1902)
Inclusive Page Numbers: 127-32
Publisher: Springer-Verlag, Berlin
Country of Publication: Germany
Publication Date: 2000
Conference Title: Text, Speech and Dialogue. Third International Workshop, TSD 2000. Proceedings
Conference Date: 13-16 Sept. 2000
Conference Location: Brno, Czech Republic
Editor(s): Sojka, P.; Kopecek, I.; Pala, K.
ISBN: 3 540 41042 2
Number of Pages: xiii+463
Language: English
Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: In this article, we present a test environment for a word analysis system that is used for reliable and sense-conveying **hyphenation** of German words. A crucial task is the **hyphenation** of compound words, a huge set of those can readily be formed from existing words. Due to this fact, testing and checking all existing words for correct **hyphenation** is infeasible. Therefore we have developed special test methods for large text files which filter the few problematic cases from the complete set of analysed words. These methods include detecting unknown or ambiguous words, comparing the output of different versions of the word analysis system, and choosing dubious words according to other special criteria. The test system is also suited for testing other applications that are based on word analysis, such as full **text search** (*7 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: computational linguistics; full-text databases; linguistics; testing; text analysis
Identifiers: test environment; word analysis system; sense-conveying hyphenation; German words; compound words; large text files; unknown word detection; ambiguous word detection; dubious words; word analysis; full text search
Classification Codes: C7820 (Humanities computing); C7240 (Information analysis and indexing); C4210L (Formal languages and computational linguistics)
INSPEC Update Issue: 2001-018
Copyright: 2001, IEE
Abstract: In this article, we present a test environment for a word analysis system that is used for reliable and sense-conveying **hyphenation** of German words. A crucial task is the **hyphenation** of compound words, a huge set of those can readily be formed from existing words. Due to this fact, testing

and checking all existing words for correct **hyphenation** is infeasible. Therefore we have developed special test methods for large text files which filter the few problematic cases from the complete set of analysed... ...words according to other special criteria. The test system is also suited for testing other applications that are based on word analysis, such as full **text search**

Dialog eLink: 
8/5,K/23 (Item 16 from file: 2)
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05526020
Title: Hybrid contextural text recognition with string matching
Author(s): Sinha, R.M.K.; Prasada, B.; Houle, G.F.; Sabourin, M.
Author Affiliation: Indian Inst. of Technol., Kanpur, India
Journal: IEEE Transactions on Pattern Analysis and Machine Intelligence , vol.15 , no.9 , pp.915-25
Country of Publication: USA
Publication Date: Sept. 1993
ISSN: 0162-8828
CODEN: ITPIDJ
U.S. Copyright Clearance Center Code: 0162-8828/93/$03.00
Item Identifier (DOI): 10.1109/34.232077
Language: English
Document Type: Journal Paper (JP)
Treatment: Theoretical or Mathematical (T)
Abstract: The hybrid contextural algorithm for reading real-life documents printed in varying fonts of any size is presented. **Text** is **recognized** progressively in three passes. The first pass is used to generate character hypothesis, the second to generate word hypothesis, and the third to verify the word hypothesis. During the first pass, isolated **characters** are **recognized** using a dynamic contour warping classifier. Transient statistical information is collected to accelerate the recognition process and to verify hypotheses in later processing. A transient dictionary consisting of high confidence nondictionary words is constructed in this pass. During the second pass, word-level hypotheses are generated using hybrid contextual text processing. Nondictionary words are recognized using a modified Viterbi algorithm, a string matching algorithm utilizing n grams, special handlers for touching characters, and pragmatic handlers for numerals, punctuation, **hyphens**, apostrophes, and a prefix/suffix handler. This processing usually generates several word hypothesis. During the third pass, word-level verification occurs (*22 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: document image processing; optical character recognition
Identifiers: progressive recognition; transient statistical information; hypothesis verification; text recognition; string matching; hybrid contextural algorithm; real-life documents; character hypothesis; word hypothesis; dynamic contour warping classifier; transient dictionary; modified Viterbi algorithm
Classification Codes: C1250B (Character recognition); C5260B (Computer vision and image processing techniques); C6130D (Document processing techniques)

INSPEC Update Issue: 1993-045
Copyright: 1993, IEE
Abstract: The hybrid contextural algorithm for reading real-life documents printed in varying fonts of any size is presented. **Text** is **recognized** progressively in three passes. The first pass is used to generate character hypothesis, the second to generate word hypothesis, and the third to verify the word hypothesis. During the first pass, isolated **characters** are **recognized** using a dynamic contour warping classifier. Transient statistical information is collected to accelerate the recognition process and to verify hypotheses in later processing. A transient... ...are recognized using a modified Viterbi algorithm, a string matching algorithm utilizing n grams, special handlers for touching characters, and pragmatic handlers for numerals, punctuation, **hyphens**, apostrophes, and a prefix/suffix handler. This processing usually generates several word hypothesis. During the third pass, word-level verification occurs

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Dialog eLink:
8/5,K/19 (Item 12 from file: 2)
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06017688
Title: An evaluation of an automatic markup system
Author(s): Taghva, K.; Condit, A.; Borsack, J.
Author Affiliation: Inf. Sci. Res. Inst., Nevada Univ., Las Vegas, NV, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering , vol.2422 , pp.317-27
Country of Publication: USA
Publication Date: 1995
Conference Title: Document Recognition II
Conference Date: 6-7 Feb. 1995
Conference Location: San Jose, CA, USA
Conference Sponsor: SPIE Soc. Imaging Sci. & Technol
ISSN: 0277-786X
CODEN: PSISDG
U.S. Copyright Clearance Center Code: 0 8194 1769 6/95/$6.00
Language: English
Document Type: Conference Paper in Journal (PA)
Treatment: Practical (P)
Abstract: One predominant application of **OCR** is the **recognition** of full **text** documents for information retrieval. Modern retrieval systems exploit both the textual content of the document as well as its structure. The relationship between textual content and character accuracy have been the focus of recent studies. It has been shown that due to the redundancies in text, average precision and recall is not heavily affected by **OCR** character errors. What is not fully known is to what extent **OCR** devices can provide reliable information that can be used to capture the structure of the document. We present a preliminary report on the design and evaluation of a system to automatically markup technical documents, based on information provided by an **OCR** device. The device we use differs from

traditional **OCR** devices in that it not only performs optical **character recognition**, but also provides detailed information about page layout, word geometry, and font usage. Our automatic markup program, which we call Autotag, uses this information, combined with dictionary lookup and content analysis, to identify structural components of the text. These include the document title, author information, abstract, sections, section titles, paragraphs, sentences, and de-**hyphenated** words. A visual examination of the hardcopy will be compared to the output of our markup system to determine its correctness (*19 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: desktop publishing; document image processing; full-text databases; information retrieval; optical character recognition; word processing
Identifiers: automatic markup system evaluation; OCR character errors; full text document recognition; information retrieval; retrieval systems; textual content; character accuracy; OCR devices; technical documents; optical character recognition; page layout; word geometry; font usage; Autotag; dictionary lookup; content analysis
Classification Codes: C6130D (Document processing techniques); C5260B (Computer vision and image processing techniques); C7250R (Information retrieval techniques); C5530 (Pattern recognition and computer vision equipment); C7108 (Desktop publishing)
INSPEC Update Issue: 1995-031
Copyright: 1995, IEE

Dialog eLink: open url
8/5,K/22 (Item 15 from file: 2)
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05559006
Title: A solution for the automatic data capture of land register maps
Author(s): Boatto, L.; Consorti, V.; Del Buono, M.; Eramo, V.; Esposito, A.; Melcarne, F.; Meucci, M.; Mosciatti, M.; Tucci, M.
Author Affiliation: IBM Semea, Sci. & Tech. Solution Center, Roma, Italy
Inclusive Page Numbers: 70-5 vol.1
Publisher: American Soc. Photogrammetry & Remote Sensing, Bethesda , MA
Country of Publication: USA
Publication Date: 1992
Conference Title: GIS/LIS Proceedings
Conference Date: 10-12 Nov. 1992
Conference Location: San Jose, CA, USA
Conference Sponsor: American Congress Surveying & Mapping American Soc. Photogrammetry & Remote Sensing et al
ISBN: 0 944426 90 5
Number of Pages: 2 vol. xii+911
Language: English
Document Type: Conference Paper (PA)
Treatment: Practical (P)

Abstract: The authors describe an automatic system that extracts information from land register maps, in order to feed a GIS. The system identifies straight segments, **dashed** lines, text, symbols, hatching lines, etc. Line vectorization is performed with high accuracy and good noise immunity. **Characters** and symbols are **recognized** by a specific recognizer, which is scale and rotation invariant. Relationships between geometric entities are identified in order to produce a formal description of the drawing. The system is currently used by the Italian Land Register Authority as input to a GIS. Application architecture, system configuration, modes of operation, and performance data are reported *(4 refs.)*
Subfile(s): C (Computing & Control Engineering)
Descriptors: cartography; geographic information systems; town and country planning
Identifiers: geographic information systems; land register maps; dashed lines; hatching lines; geometric entities; system configuration
Classification Codes: C7840 (Geography and cartography computing); C5260B (Computer vision and image processing techniques); C7130 (Public administration)
INSPEC Update Issue: 1993-050
Copyright: 1993, IEE
Abstract: The authors describe an automatic system that extracts information from land register maps, in order to feed a GIS. The system identifies straight segments, **dashed** lines, text, symbols, hatching lines, etc. Line vectorization is performed with high accuracy and good noise immunity. **Characters** and symbols are **recognized** by a specific recognizer, which is scale and rotation invariant. Relationships between geometric entities are identified in order to produce a formal description of the...

Dialog eLink: open url
8/5,K/39 (Item 32 from file: 2)
DIALOG(R)File 2: INSPEC
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01821543
Title: A program to hyphenate English words
Author(s): Ocker, W.A.
Author Affiliation: Graphic Systems Div., RCA Corp., Dayton, NJ , USA
Journal: IEEE Transactions on Professional Communications , vol.PC18 , no.2 , pp.78
Country of Publication: USA
Publication Date: June 1975
ISSN: 0361-1434
CODEN: IEPCBU
Language: English
Document Type: Journal Paper (JP)
Treatment: Application (A); Practical (P)
Abstract: **Hyphenation** programs used in computerized typesetting employ varied techniques-often in combination-to determine where to break the last word on a line. Usually, a dictionary lookup procedure is combined with a `logical **hyphenation** program' which bases its decisions on the **recognition** of certain **characters**, strings of characters, or patterns of vowels and consonants. The described program is such a logical routine. It is based on the word division rules of Webster's New International

Dictionary and recognizes prefixes, suffixes, and other letter combinations which require special processing, including strings which are likely to belong to accented syllables (*7 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: computer controlled typesetting
Identifiers: English words; computerized typesetting; dictionary lookup procedure; logical hyphenation program; word division rules; Webster's New International Dictionary; letter combinations
Classification Codes: C7230 (Publishing and reproduction)
INSPEC Update Issue: 1975-009
Copyright: 1975, IEE
Abstract: **Hyphenation** programs used in computerized typesetting employ varied techniques-often in combination-to determine where to break the last word on a line. Usually, a dictionary lookup procedure is combined with a `logical **hyphenation** program' which bases its decisions on the **recognition** of certain **characters**, strings of characters, or patterns of vowels and consonants. The described program is such a logical routine. It is based on the word division rules...

Dialog eLink: open url
8/5,K/30 (Item 23 from file: 2)
DIALOG(R)File 2: INSPEC
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05176397
Title: Application of morphological filters to tackle discretisation artefacts
Author(s): van Overveld, C.W.A.M.
Author Affiliation: Dept. of Math. & Comput. Sci., Eindhoven Univ. of Technol., Netherlands
Journal: Visual Computer , vol.8 , no.4 , pp.217-32
Country of Publication: Germany
Publication Date: April 1992
ISSN: 0178-2789
CODEN: VICOE5
Language: English
Document Type: Journal Paper (JP)
Treatment: Practical (P); Theoretical or Mathematical (T)
Abstract: A post-processing technique for removing discretisation artefacts (jaggies) is described. It is based on the detection of a jaggy by means of a suitable morphological filter and then using a heuristic algorithm to compute a probable density distribution, which is applied to the pixels adjacent to the jaggy. Also **dashed** lines are **recognized** and interpreted as possible discretisation artefacts. The method applies to both spatial and temporal aliasing (*8 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: computer graphics; filtering and prediction theory
Identifiers: spatial aliasing; morphological filters; discretisation artefacts; post-processing; jaggies; heuristic algorithm; density distribution; pixels ; dashed lines; temporal aliasing
Classification Codes: C6130B (Graphics techniques); C1260 (Information theory)

INSPEC Update Issue: 1992-029
Copyright: 1992, IEE

Dialog eLink: open url
8/5,K/29 (Item 22 from file: 2)
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05218376
Title: A study on automatic input and recognition of engineering drawing
Author(s): Dao-Ning Ying; Er-Jian Wang; Lan Ye; Wei Li; Yun Wang
Author Affiliation: Mold High-Tech Res. Inst., Zhejiang Univ., HangZhou, China
Inclusive Page Numbers: 478-81
Publisher: Int. Acad. Publishers, Beijing
Country of Publication: China
Publication Date: 1991
Conference Title: Second International Conference on Computer-Aided Design and Computer Graphics
Conference Date: 23-26 Sept. 1991
Conference Location: Hangzhou, China
Conference Sponsor: Chinese Comput. Federation Zhejiang Univ
Editor(s): Staudhammer, J.; Qunsheng Peng
Number of Pages: xvi+554
Language: English
Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: This paper presents algorithms for preprocessing and vectorizing scan digitized images of engineering drawings for transferring the resulting data to commercially available CAD/CAM systems. The algorithms include raster data compression using a doubly linked list RLE with Y bucket indexing, segmenting a mixed text/graphics image into text and graphics, line thinning to detect skeletons of graphics, and **recognition** of hand-printed **characters** and graphical structures such as line, arc, ellipse etc. The method for distinguishing thick, thin or **dash** line is also described (*8 refs.*)
Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)
Descriptors: CAD/CAM; computerised picture processing; data compression; engineering graphics
Identifiers: engineering drawing; scan digitized images; CAD/CAM systems; raster data compression; doubly linked list RLE; hand-printed characters; graphical structures
Classification Codes: C7480 (Production engineering computing); C6130B (Graphics techniques) ; C5260B (Computer vision and image processing techniques); E0410D (Industrial applications of IT); E1510 (Manufacturing systems)
INSPEC Update Issue: 1992-037
Copyright: 1992, IEE
Abstract: ...linked list RLE with Y bucket indexing, segmenting a mixed text/graphics image into text and graphics, line thinning to detect skeletons of graphics, and **recognition** of hand-printed **characters**

and graphical structures such as line, arc, ellipse etc. The method for distinguishing thick, thin or **dash** line is also described

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8/5,K/35 (Item 28 from file: 2)
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03703372
Title: Applying pattern recognition techniques to the problem of word splitting in natural language
Author(s): Oregel-Opisso, J.L.
Author Affiliation: Dept. of Comput. Sci., Inst. Tecnologico de Monterey, Mexico
Inclusive Page Numbers: 220-3
Publisher: IEEE, New York, NY
Country of Publication: USA
Publication Date: 1985
Conference Title: IEEE 1985 Proceedings of the International Conference on Cybernetics and Society (Cat. No.85CH2253-3)
Conference Date: 12-15 Nov. 1985
Conference Location: Tucson, AZ, USA
Conference Sponsor: IEEE
U.S. Copyright Clearance Center Code: CH2253-3/85/0000-0220$01.00
Number of Pages: 1115
Language: English
Document Type: Conference Paper (PA)
Treatment: Theoretical or Mathematical (T)
Abstract: The author describes the way a **text** processor uses pattern **recognition** techniques to **hyphenate** words. It is a rule-based system in which syllabication rules are indexed by means of a discrimination net. The syllabication rules for Spanish are given, along with the corresponding discrimination net. Some examples illustrate the operation of the word-splitting algorithm. A comparison is made between this system and two other systems: one for dealing with English words, and one for Spanish words. The author concludes with a brief discussion of the system's weaknesses, and points out directions for future research (*5 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: character recognition; natural languages; word processing
Identifiers: text processing; pattern recognition techniques; word splitting; natural language; syllabication rules; discrimination net; Spanish
Classification Codes: C1250B (Character recognition)
INSPEC Update Issue: 1986-015
Copyright: 1986, IEE
Abstract: The author describes the way a **text** processor uses pattern **recognition** techniques to **hyphenate** words. It is a rule-based system in which syllabication rules are indexed by means of a

discrimination net. The syllabication rules for Spanish are...

Dialog eLink: open url
8/5,K/15 (Item 8 from file: 2)
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06296777
Title: How to win a dashed line detection contest
Author(s): Dori, D.; Liu Wenyin; Peleg, M.
Author Affiliation: Fac. of Ind. Eng. & Manage., Technion-Israel Inst. of Technol., Haifa, Israel
Book Title: Graphics Recognition, Methods and Applications. First International Workshop. Selected Papers
Inclusive Page Numbers: 286-300
Publisher: Springer Verlag, Berlin
Country of Publication: Germany
Publication Date: 1996
Conference Title: Proceedings of Workshop on Graphics Recognition
Conference Date: 10-11 Aug. 1995
Conference Location: University Park, PA, USA
Editor(s): Kasturi, R.; Tombre, K.
ISBN: 3 540 61226 2
Number of Pages: x+308
Language: English
Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: Correct **recognition** of **dashed** lines is essential for high-level technical drawing understanding. Automatic solution is quite difficult due to the limitations of machine vision algorithms. In order to promote development of better techniques, a **dashed** line detection contest was held at the Pennsylvania State University during the First International Workshop on Graphics Recognition, August 9-11, 1995. The contest required automatic detection of **dashed** lines on test drawings at three difficulty levels: simple, medium and complex, which contained **dashed** and **dash**-dotted lines in straight and curved shapes, and even interwoven texts. This paper presents **dashed** line detection techniques which won the first place in the contest. It successfully detected the **dashed** lines in all drawings. The underlying mechanism is a sequential stepwise recovery of components that meet certain continuity conditions. Results of experiments are presented and discussed (*12 refs.*)
Subfile(s): C (Computing & Control Engineering)
Descriptors: computer vision; document image processing; engineering graphics; image recognition
Identifiers: dashed line detection; technical drawing understanding; machine vision algorithm; sequential stepwise recovery; contest; dash-dotted lines
Classification Codes: C5260B (Computer vision and image processing techniques); C6130D (Document processing techniques); C6130B (Graphics techniques); C1250 (Pattern recognition)
INSPEC Update Issue: 1996-024

Copyright: 1996, IEE

Dialog eLink: open url
8/5,K/16 (Item 9 from file: 2)
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06296769
Title: Automatic region labeling of the layered map
Author(s): Min-Ki Kim; Mun-Kyu Park; Oh-Sung Kwon; Young-Bin Kwon
Author Affiliation: Chung-Ang Univ., Seoul, South Korea
Book Title: Graphics Recognition, Methods and Applications. First International Workshop. Selected Papers
Inclusive Page Numbers: 179-89
Publisher: Springer Verlag, Berlin
Country of Publication: Germany
Publication Date: 1996
Conference Title: Proceedings of Workshop on Graphics Recognition
Conference Date: 10-11 Aug. 1995
Conference Location: University Park, PA, USA
Editor(s): Kasturi, R.; Tombre, K.
ISBN: 3 540 61226 2
Number of Pages: x+308
Language: English
Document Type: Conference Paper (PA)
Treatment: Application (A); Practical (P)
Abstract: In this paper, we describe an automatic region labeling method, which identifies each region and recognizes region names. Before tracing the region boundaries, it extracts the region names which consist of characters, dots, **dashes**, and indication lines. It uses two **recognition** methods to **recognize characters** in the region name. In the case of **recognizing** the isolated **characters**, it uses the open and close features. The **characters** touching boundaries are **recognized** by template matching. After removing the components of region names from a map image, the boundaries of each region are extracted. After which it then vectorizes the region boundaries. From these recognition results, the original map can be constructed. It reduces the storage to one fifth of the original data. The proposed method shows 95% accuracy of region labeling (*8 refs.*)
Subfile(s): B (Electrical & Electronic Engineering); C (Computing & Control Engineering)
Descriptors: geographic information systems; pattern recognition
Identifiers: automatic region labeling method; region boundaries; dashes; indication lines; isolated characters; template matching
Classification Codes: B6140C (Optical information, image and video signal processing); C7840 (Geography and cartography computing); C1250 (Pattern recognition)
INSPEC Update Issue: 1996-024

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Abstract: ...labeling method, which identifies each region and recognizes region names. Before tracing the region boundaries, it extracts the region names which consist of characters, dots, **dashes**, and indication lines. It uses two **recognition** methods to **recognize characters** in the region name. In the case of **recognizing** the isolated **characters**, it uses the open and close features. The **characters** touching boundaries are **recognized** by template matching. After removing the components of region names from a map image, the boundaries of each region are extracted. After which it then

V. Additional Resources Searched

No additional results of relevance found in the additional databases identified in the coverpage correspondence.